

Date: August 26, 2020

CERTIFICATE OF ANALYSIS - GC PROFILING

Sample identification: Rose Absolute 10491_Lot 1100002480

Type: Essential oil

Source: Rosa Damascena

ANALYSIS

Method: 10152018_10:1split.m - Analysis of the composition of an essential oil, or other volatile liquid, by GC-FID, identifications validated by GC-MS.

Analysis date: August 25, 2020

Physical aspect: Red to Red brown liquid

CONCLUSION

No adulterant, contaminant or diluent has been detected in this oil using this method. Aroma is good.

Analyzed and approved by:

Dr. Hussam Bdour
Chief Quality Control Chemist
IL Health & Beauty Natural Oils Co., Inc.



HBNOTM

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Peak	Compound	RT	Area Sum %
1	cis-2-Hexenol	6.583	0.03
2	Heptanal	7.88	0.05
3	α -Pinene	9.254	0.08
4	Benzaldehyde	10.717	0.03
5	Sabinene	11.482	0.01
6	β -Pinene	11.572	0.04
7	β -Myrcene	12.762	0.05
8	1,1-Diethoxypentane	13.42	0.09
9	α -Cymene	15.021	0.04
10	Limonene	15.182	0.02
11	Benzyl alcohol	15.531	0.93
12	Linalool	20.669	0.18
13	Phenylethyl Alcohol	21.862	30.96
14	Terpinen-4-ol	26.612	0.11
15	Nerol	31.188	3.69
16	Citronellol	31.487	5.18
17	Neral	32.12	0.21
18	Geraniol	33.678	8.68
19	Geranial	34.685	0.34
20	Eugenol	41.507	0.06
21	Citronellyl acetate	41.727	0.09
22	unknown	42.617	0.38
23	Geranyl acetate	44.196	0.14
24	Methyleugenol	45.836	0.16
25	β -Caryophyllene	45.902	0.03
26	α -Guaiene	47.682	0.07
27	α -Humulene	48.489	0.04
28	unknown	51.763	0.04
29	δ -Guaiene	52.781	0.08
30	Pentadecane	53.209	0.04
31	δ -Cadinene	54.262	0.15
32	α -Elemol	56.175	0.65
33	Caryophyllene oxide	58.16	0.05
34	Phenethyl hexanoate	59.092	0.03
35	Humulene epoxide II	60.65	0.03
36	unknown	61.106	0.05
37	β -Eudesmol	63.148	0.24
38	unknown	63.412	0.25
39	unknown	64.517	0.06
40	(8Z)-Heptadecene	66.852	0.11
41	Heptadecane	69.458	0.2
42	(2Z,6E)-Farnesol	71.464	0.98
43	Benzyl Benzoate	75.229	0.1

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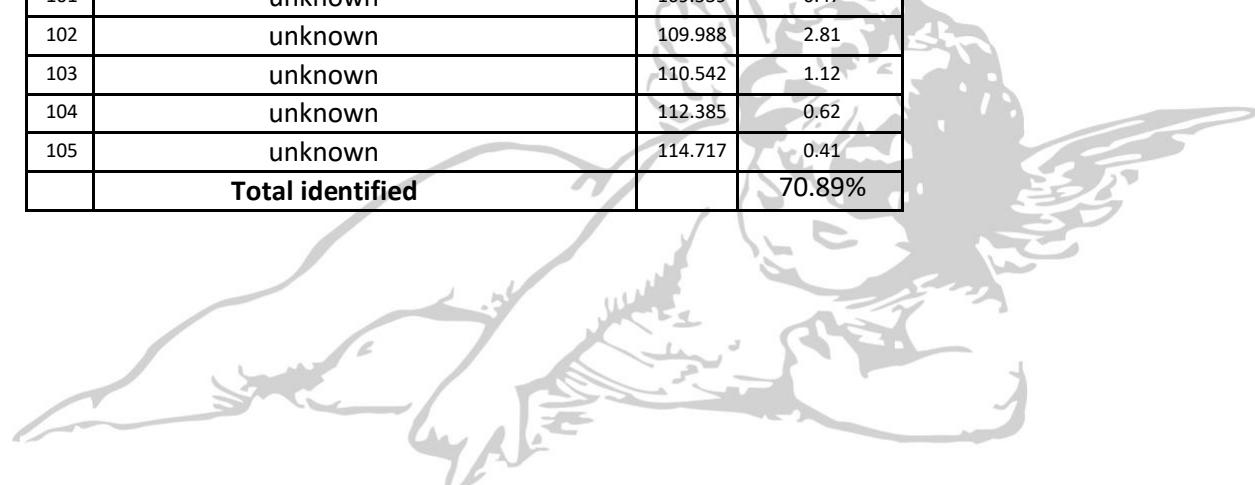


44	unknown	81.328	0.5
45	Octadecane	82.777	0.08
46	Phenylethyl benzoate	84.712	0.17
47	(9Z)-Nonadecene	85.98	0.28
48	Nonadecane	86.767	2.73
49	(9Z)-Eicosene	88.138	0.05
50	Eicosane	88.646	0.31
51	unknown	89.563	0.06
52	unknown	89.654	0.02
53	(10Z)-Heneicosene	89.877	0.18
54	Heneicosane	90.03	2.35
55	unknown	90.172	0.04
56	unknown	90.737	0.18
57	unknown	90.809	0.14
58	unknown	91.058	0.12
59	unknown	91.101	0.18
60	unknown	91.4	0.12
61	unknown	91.766	0.09
62	unknown	92.045	1.8
63	unknown	92.25	0.04
64	unknown	92.38	0.12
65	Geranyl laurate	92.571	0.09
66	Tetradecyl octanoate	92.813	0.09
67	unknown	92.948	0.26
68	unknown	93.276	0.48
69	Tetradecyl nonanoate	93.662	0.38
70	unknown	93.837	1.46
71	unknown	94.038	0.08
72	unknown	94.401	0.11
73	Pentadecyl octanoate	94.681	0.24
74	unknown	95.87	0.2
75	Phenylethyl myristate	95.959	1.09
76	Citronellyl myristate	96.418	0.27
77	unknown	96.594	0.14
78	Geranyl myristate	96.962	0.58
79	unknown	98.915	1.49
80	Phenylethyl palmitoleate	99.106	1.01
81	Phenethyl palmitate	99.497	1.57
82	Citronellyl linolenate	99.732	0.47
83	unknown	100.119	0.32
84	Geranyl palmitoleate	100.326	1.24
85	unknown	100.497	0.39
86	Geranyl palmitate	100.784	1.72
87	unknown	102.383	0.96

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88	unknown	102.655	0.3
89	unknown	102.808	0.27
90	unknown	103.127	1.53
91	unknown	103.79	0.73
92	unknown	105.347	2.01
93	unknown	105.763	1.27
94	unknown	105.952	0.36
95	unknown	106.1	0.3
96	unknown	106.397	2.51
97	unknown	106.829	5.5
98	unknown	107.258	0.25
99	unknown	107.732	0.24
100	unknown	109.135	0.31
101	unknown	109.539	0.47
102	unknown	109.988	2.81
103	unknown	110.542	1.12
104	unknown	112.385	0.62
105	unknown	114.717	0.41
Total identified			70.89%



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